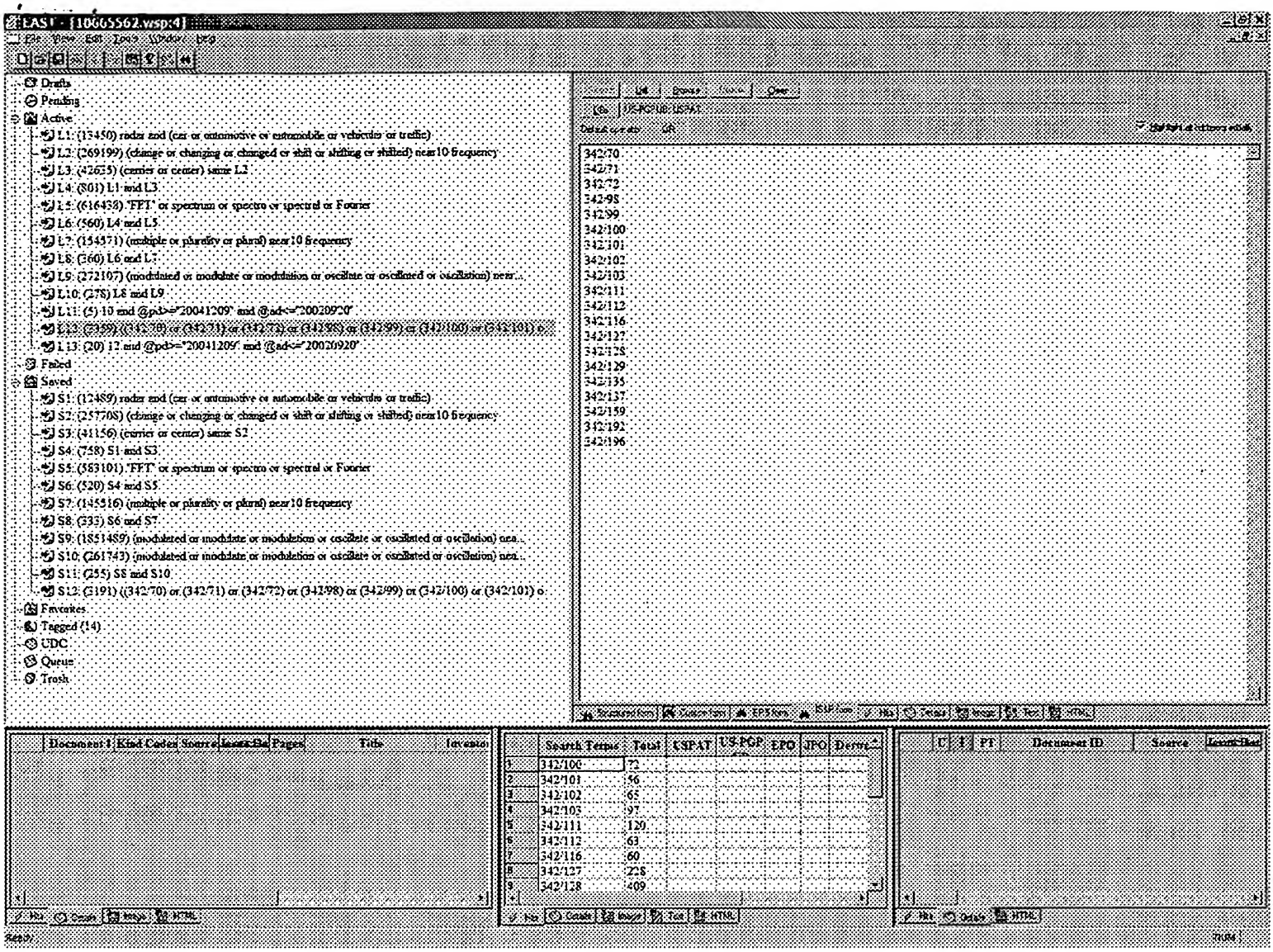
Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13450	radar and (car or automotive or automobile or vehicular or traffic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L2	269199	(change or changing or changed or shift or shifting or shifted) near10 frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L3	42635	(carrier or center) same L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L4	801	L1 and L3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L5	616438	"FFT" or spectrum or spectra or spectral or Fourier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L6	560	L4 and L5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L7	154571	(multiple or plurality or plural) near10 frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L8	360	L6 and L7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41

L9	272107	(modulated or modulate or modulation or oscillate or oscillated or oscillation) near10 frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:41
L10	278	L8 and L9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:46
L11	5	10 and @pd>="20041209" and @ad<="20020920"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:52
L12	3359	((342/70) or (342/71) or (342/72) or (342/98) or (342/99) or (342/100) or (342/101) or (342/102) or (342/103) or (342/111) or (342/112) or (342/116) or (342/127) or (342/128) or (342/129) or (342/135) or (342/137) or (342/159) or (342/192) or (342/196)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/06/21 09:52
L13	20	12 and @pd>="20041209" and @ad<="20020920"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 09:53


EAST - [10605562.wsp:4]
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Drafts
Pending
Active
L1: (13450) radar and (car or automotive or automobile or vehicular or traffic)
L2: (269199) (change or changing or changed or shift or shifting or shifted) near10 frequency
L3: (42635) (carrier or center) same L2
L4: (801) L1 and L3
L5: (616458) "FFT" or spectrum or spectro or spectral or Fourier
L6: (560) L4 and L5
L7: (154571) (multiple or plurality or plural) near10 frequency
L8: (360) L6 and L7
L9: (272107) (modulated or modulate or modulation or oscillate or oscillated or oscillation) near...
L10: (278) L8 and L9
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S1: (12489) radar and (car or automotive or automobile or vehicular or traffic)
S2: (257708) (change or changing or changed or shift or shifting or shifted) near10 frequency
S3: (41156) (carrier or center) same S2
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S5: (583101) "FFT" or spectrum or spectro or spectral or Fourier
S6: (520) S4 and S5
S7: (145516) (multiple or plurality or plural) near10 frequency
S8: (333) S6 and S7
S9: (1851489) (modulated or modulate or modulation or oscillate or oscillated or oscillation) nea...
S10: (261743) (modulated or modulate or modulation or oscillate or oscillated or oscillation) nea...
S11: (255) S8 and S10
S12: (3191) ((342/70) or (342/71) or (342/72) or (342/98) or (342/99) or (342/100) or (342/101) o
Favorites
Tagged (14)
UDC
Queue
Trash
342/70
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342/111
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342/137
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342/192
342/196
Document ID Kind Codes Source Issue Dat Pages Title Inventor
Search Terms Total USPAT US-PGP EPO JPO Derwt
1 342/100 72
2 342/101 56
3 342/102 65
4 342/103 97
5 342/111 120
6 342/112 63
7 342/116 60
8 342/127 228
9 342/128 409
C T PT Document ID Source Issue Dat
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SEARCH NOTES FOR EAST, IEEE, INSPEC, AND IP.COM

SERIAL NUMBER **10665562**

EAST: search history attached

IEEE SEARCH

Search terms: radar <and> (vehicular <or> automotive) <and> (carrier <or> center)

UPDATED SEARCH ABOVE 21JUNE2005

1. **Ultra-wideband radar sensors for short-range vehicular applications**
   Gresham, I.; Jenkins, A.; Egri, R.; Eswarappa, C.; Kinayman, N.; Jain, N.; Anderson, R.; Kolak, F.; Wohlert, R.; Bawell, S.P.; Bennett, J.; Lanteri, J.-P.
   Microwave Theory and Techniques, IEEE Transactions on
   Volume 52, Issue 9, Sept. 2004 Page(s): 2105 - 2122
2. **Three-frequency principle for automotive radar system**
   Hui Zhang; Ke Wu
   Radio and Wireless Conference, 2004 IEEE
   19-22 Sept. 2004 Page(s): 315 - 318
3. **Residual-carrier-free burst oscillator for automotive uwb radar applications**
   Teshirogi, T.; Saito, S.; Uchino, M.; Ejima, M.; Hamaguchi, K.; Ogawa, H.; Kohno, R.
   Electronics Letters
   Volume 41, Issue 9, 28 April 2005 Page(s): 33 - 34

INSPEC SEARCH

Search strategy

No.	Database	Search term	Info added since	Results
1	INZZ	radar AND (vehicular OR automotive) AND (carrier OR center)	unrestricted	60
2	INZZ			

FMCW OR CWFM OR FM-CW OR CW-FM OR frequency AND (modulated OR modulating OR modulation) OR frequency-modulated
unrestricted 62716
3 INZZ 1 AND 2 unrestricted 6
Saved: 21-Jun-2005, 16:09:47 CET
2

INSPEC - 1969 to date (INZZ)
Target distance and velocity measurement algorithm to reduce false targets in *FMCW automotive radar.*
Author(s)
Mitsumoto-M; Uehara-N; Inatsune-S; Kirimoto-T.
Source
IEICE-Transactions-on-Communications (Japan), vol.E83-B, no.9, p.1983-9, Sept. 2000. ,
Published: Inst.
Electron. Inf. & Commun. Eng.
COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK
Multifunctional *radar* sensor for *automotive* application.
Author(s)
Wollitzer-M; Buechler-J; Luy-J-F; Siart-U; Schmidhammer-E; Detlefsen-J; Esslinger-M.
Source
IEEE-Transactions-on-Microwave-Theory-and-Techniques (USA), vol.46, no.5, pt.2, p.701-8, May 1998.
, Published: IEEE.
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1

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Search terms:

radar and (vehicular or automotive) and (carrier or center)

Displaying records #1 through 3 out of 3

NONE GOOD